

REMARKS

Having noticed an improvement possible to the prior response submitted today Applicants present this further timely response. All claim changes are made relative to the prior response submitted today. An Office Action was mailed on January 6, 2005 and declared final. Applicant presented a timely response March 4, 2005.

On March 14, 2005, an Advisory Action was mailed declaring claims 1-5 and 11 as being allowed and claims 6-10 as being rejected.

By the foregoing, claims 6-9 are cancelled, leaving claim 10, which had been deemed allowable if rewritten to independent form, in controversy because of a misunderstanding between Applicants and Examiner. An explanation follows. Entry of the Amendment and passage of the case to allowance is earnestly solicited.

In the first Office Action dated March 25, 2004, claim 10 was deemed allowable if rewritten to overcome the 35 U.S.C. §112, second paragraph rejection and rewritten to independent form. Therein, the 35 U.S.C. §112, second paragraph rejection included that claim 10 was dependent on rejected claim 8, which in turn was rejected under 35 U.S.C. §112, second paragraph because the limitation "said light emitting means" has insufficient antecedent basis.

Original Claim 10 was dependent on claim 8, which in turn was dependent on claim 6. Reproduced below is claim 10 as currently amended. For the sake of explanation, the portions originating from claim 6 are underlined using double underlining (example), portions originating from claim 8, whose amendment correcting the antecedent basis rejection in response to the first OA has been accepted, are underlined using single underlining (example), and portions originating in claim 10 are not underlined (example). Therein, all subject matter of claims 6, 8 and 10 are clearly added.

10 (currently amended). A solid state imaging device for use in
a solid state imaging apparatus wherein said solid state imaging

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apparatus includes a light emitting means, the device comprising:
means for receiving an incident light to thereby generate
charges, the receiving means having one or more photoelectric
conversion elements;

first accumulation means, in response to a first control signal,
for accumulating the charges generated from each of the
photoelectric conversion elements, the first accumulation means
having one or more charge accumulation devices;

second accumulation means, in response to a second control
signal, for accumulating the received charges generated from each
of the photoelectric conversion elements, the second
accumulation means having one or more charge accumulation
devices;

first transfer means for transferring the charges accumulated in
the first charge accumulation means in a serial sequence as a first
charge signal;

second transfer means for transferring charges accumulated in
the second charge accumulation means in a serial sequence as a
second charge signal;

control means for outputting the first control signal or the
second control signal to select the first or the second charge
accumulation means, thereby allowing the charges to be
accumulated in the first or the second charge accumulation means,
respectively;

means for calculating a difference between the first charge
signal and the second charge signal to thereby output a
differential signal in sequence; and

wherein said light emitting means is operated either in an on-state
or in an off-state thereof, and said control means outputs the first
control signal and the second control signal during the on-state

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and the off-state of said light emitting means, respectively, and
wherein the first accumulation means additionally accumulates
charges obtained during a continued on-state of the light emitting
means and then transfers the obtained charges.

Applicant believes that the claim as rewritten is now in full compliance with the Examiner's requirements and is allowable. Should it be found not be in compliance, the Examiner is kindly requested to contact the undersigned attorney so that the matter be brought to allowance using an Examiner's Amendment if the Examiner is so amenable.

Applicants believe that this is a full and complete response to the Office Action. For the reasons discussed above, applicants now respectfully submit that all of the pending claims are in complete condition for allowance. Accordingly, it is respectfully requested that the Examiner's rejections be withdrawn; and that all claimed be allowed in their present forms. If the Examiner feels that any issues that remain require discussion, he is kindly invited to contact applicant's undersigned attorney to resolve the issues.

In view of the above comments and further amendments to the claims, favorable reconsideration and allowance of all of the claims now present in the application are most respectfully requested. Any fee due with this paper may be charged on Deposit Account 50-1290.

Respectfully submitted


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